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## FACSIMILE TRANSMISSION

TO: USPTO  
Examiner Wai Sing Louie; Art Unit 2814

FAX NO. (571) 273-8300

FROM: Ronald J. Corbett

RE: Serial No.: 10/727,709  
Attorney Docket No.: BAO 39  
LUCT-125888

DATE: August 3, 2006

PAGES: 3 (including cover page)

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Reply Brief (pp.1).

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DOCKET NO. BAO 39

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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE  
BEFORE THE BOARD OF PATENT APPEALS AND INTERFERENCES

In re Application of: Zhenan Bao

Serial No.: 10/727,709

Filed: December 4, 2003

For: ORGANIC FIELD EFFECT TRANSISTORS WITH ACTIVE  
CHANNELS FORMED OF DENSIFIED LAYERS

Grp./A.U.: 2814

Examiner: Wai Sing Louie

Commissioner for Patents

P.O. Box 1450  
Alexandria, VA 22313-1450

Mail Stop Appeal Brief-Patents

I hereby certify that this correspondence is being facsimile transmitted to the  
Patent and Trademark Office (Fax No. (571) 273-8300) on August 3, 2006.

*Marty Borko*  
Printed name of person mailing

*Marty Borko*  
Signature of person mailing

ATTENTION: Board of Patent Appeals and Interferences

Sirs:

APPELLANTS' REPLY BRIEF UNDER 37 C.F.R. §41.41

In response to the Examiner's Answer mailed June 14, 2006, the Appellants submit this  
Reply Brief under 37 C.F.R. §41.41.

**I. Reply to Examiner's Arguments**

The Examiner's answer substantially repeats the basis for rejecting the Claims that was presented in the Final rejection of November 29, 2005. No new arguments appear to have been presented.

The Appellant respectfully maintains that the Examiner has not provided a rationale or evidence tending to show that Ong's polythiophene semiconductor layer would inherently be a densified layer of organic molecules, as required by MPEP ¶ 2112 IV. As pointed out in the Appeal Brief (page 8), the fact that a certain result or characteristic may occur or be present in the prior art is not sufficient to establish the inherency of that result or characteristic (MPEP ¶ 2112 IV). For instance, the Examiner has presented no evidence that a channel comprising a densified layer of organic molecules is an inherent characteristic that necessarily flows from the teachings of Ong. The Appellant therefore respectfully maintains that the prior art of record does not teach or suggest each and every element of the claimed invention.

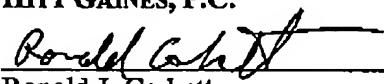
For these reasons, the Appellant respectfully requests that the Board remove the rejections of Claims 1-11.

**II. Conclusion**

For the reasons set forth above and in the appeal brief filed February 27, 2006, the claims on appeal are patentably novel and non-obvious over the prior art of record. Accordingly, the Appellant respectfully requests that the Board of Patent Appeals and Interferences reverse the Examiner's Final Rejection of all of the Appellant's pending claims.

Respectfully submitted,

**HITT GAINES, P.C.**

  
Ronald J. Corbett  
Registration No. 47,500

Dated: August 3, 2006

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